

**REMARKS**

This paper is responsive to an Official Action that issued on October 27, 2005 in this case. In that Action, the Office allowed claims 26-33, objected to claims 9 and 22, and rejected claims 1-8, 10-21, and 23-25.

Responsive to the Action, claims 1-33 are hereby canceled and new claims 34 through 62 are added. Reconsideration is respectfully requested in view of the foregoing amendments and following remarks.

The Examiner indicated that the prior art does not disclose or suggest a system or a process wherein a catalyst is applied to a surface of a memory metal. New independent claim 34 recites a system comprising:

<p>a memory metal; and a catalyst, wherein said catalyst is disposed on a first surface of said memory metal.</p>
---

Claim 34 is therefore allowable. Claims 35 through 46 are allowable based on their dependence on claim 34. The recitation of additional patentable features in those dependent claims provides a secondary basis for their patentability.

New independent claim 47 recites a system comprising:

<p>a memory metal; and a fuel-oxidizer mixture, wherein said fuel-oxidizer mixture is disposed on a first surface of said memory metal.</p>
---

A claim identical to claim 47 was not previously presented, although originally-filed claims 10, 23, and 26 recite that the fuel-oxidizer mixture is applied to a surface of the memory metal. It is assumed, based on the Examiner's previous Action, that the prior art does not disclose or suggest a system or a process wherein a fuel-oxidizer mixture is disposed on a surface of a memory metal.

It is believed, therefore, that claim 47 is allowable. Claims 48-52 are allowable based on their dependence on claim 47. The recitation of additional patentable features in those dependent claims provides a secondary basis for their patentability.

New independent claim 53 recites a method comprising:

providing a memory metal having a catalyst disposed thereon; and  
exposing said memory metal and said catalyst to a fuel-oxidizer mixture.

Based on the Examiner's findings concerning the patentability of a memory metal having a catalyst disposed thereon, claim 53 is believed to be allowable. Claims 54 through 62 are allowable based on their dependence on claim 53. The recitation of additional patentable features in those dependent claims provides a secondary basis for their patentability.

**Summary**

It is believed that claims 34 through 62 now presented for examination are allowable over the art of record. A notice to that effect is solicited.

Respectfully,  
DeMont & Breyer, LLC

By Wayne S. Breyer  
Wayne S. Breyer  
Reg. No. 38089  
Attorney for Applicants  
732-578-0103 x12

30 January 2006

DeMont & Breyer, L.L.C.  
100 Commons Way, Suite 250  
Holmdel, NJ 07733